

Title (en)

Method for determining and correcting the torque transmission given off by an electric motor

Title (de)

Verfahren zur Ermittlung und Korrektur des von einem Elektromotor abgegebenen Drehmomentes

Title (fr)

Procédé de détermination et de correction du couple indiqué par un moteur électrique

Publication

EP 2101404 A3 20151216 (DE)

Application

EP 09152372 A 20090209

Priority

DE 102008000675 A 20080314

Abstract (en)

[origin: EP2101404A2] The method involves determining total inductance (B) for an electric motor, and determining deviation of the total inductance to a reference inductance (A) of a reference motor as a function of stator current. The reference inductance is archived in a motor control, where the deviation depends upon manufacturing tolerance and material tolerance, and stays in a direct correlation to a torque of the electric motor. The deviation of the total inductance of the electric motor from the reference inductance is calculated in percentage with a predetermined stator current value.

IPC 8 full level

H02P 21/14 (2006.01); **H02P 23/14** (2006.01)

CPC (source: EP)

H02P 23/14 (2013.01)

Citation (search report)

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- [A] DE 3342378 A1 19850605 - BOSCH GMBH ROBERT [DE]
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CN110311613A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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